Title of Instructional Materials: Pearson CME Project: Algebra II CC Update

Grade Level: Algebra II

Summary of Pearson CME Project: Algebra II CC Update

Overall Rating: Weak (1-2)	Important Mathematical Ideas: Weak (1-2)
Moderate (2-3)	☐ Moderate (2-3)
☐ Strong (3-4)	Strong (3-4)
Summary / Justification / Evidence: Standards that were missing are as follows: A-APR.1, A-CED.3, A-CED.4, F-IF.9, F-TF.1, F-TF.2, F-TF.5, S-ID.4, S-IC.1, S-IC.2, S-IC.3, S-IC.4, S-IC.5, S-IC.6, S-MD.6, S-MD.7. Also, N-CN.9 is not well developed at all and only really alluded to in a historical reference.	Summary / Justification / Evidence: Most of the standards that are addressed are well developed
Skills and Procedures: Moderate (2-3) Strong (3-4)	Mathematical Relationships:
Summary / Justification / Evidence: Skills are not integrated well with the use of applications and not well connected to important mathematical ideas	Summary / Justification / Evidence: Several were not developed well or only mentioned with little or no discussion.

1. Make sense of problems and persevere in solving them.		
Mathematically proficient students start by explaining to themselves the meaning of a problem and looking for entry points to its solution. They analyze		
givens, constraints, relationships, and goals. They make conjectures about the	e form and meaning of the solution and	plan a solution pathway rather than
simply jumping into a solution attempt. They consider analogous problems, a	nd try special cases and simpler forms	of the original problem in order to
gain insight into its solution. They monitor and evaluate their progress and cl	nange course if necessary. Older studen	its might, depending on the context o
the problem, transform algebraic expressions or change the viewing window	on their graphing calculator to get the	information they need.
Mathematically proficient students can explain correspondences between equations, verbal descriptions, tables, and graphs or draw diagrams of		
important features and relationships, graph data, and search for regularity or	trends. Younger students might rely o	n using concrete objects or pictures t
help conceptualize and solve a problem. Mathematically proficient students of	heck their answers to problems using a	a different method, and they
continually ask themselves, "Does this make sense?" They can understand the	e approaches of others to solving compl	lex problems and identify
correspondences between different approaches.		
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Indicate the chapter(s), section(s), and/or page(s) reviewed:	Portions of the domain, cluster,	and standard that are missing
	or not well developed in the inst	9
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Summary / Justification / Evidence:	0 110 11	
	Overall Rating:	

2. Reason abstractly and quantitatively.		
Mathematically proficient students make sense of quantities and their relationships in problem situations. They bring two complementary abilities to		
bear on problems involving quantitative relationships: the ability to <i>decontextualize</i> —to abstract a given situation and represent it symbolically and		
manipulate the representing symbols as if they have a life of their own, without necessarily attending to their referents—and the ability to contextualize,		
to pause as needed during the manipulation process in order to probe into the referents for the symbols involved. Quantitative reasoning entails habits o		
creating a coherent representation of the problem at hand; considering the units involved; attending to the meaning of quantities, not just how to		
compute them; and knowing and flexibly using different properties of operations and objects.		
Indicate the chapter(s), section(s), and/or page(s) reviewed:	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):	
Summary / Justification / Evidence:	Overall Rating:	

3. Construct viable arguments and critique the reasoning of other	rs.	
Mathematically proficient students understand and use stated assumptions, definitions, and previously established results in constructing arguments.		
They make conjectures and build a logical progression of statements to explore the truth of their conjectures. They are able to analyze situations by		
breaking them into cases, and can recognize and use counterexamples. They justify their conclusions, communicate them to others, and respond to the		
arguments of others. They reason inductively about data, making plausible arguments that take into account the context from which the data arose.		
Mathematically proficient students are also able to compare the effectiveness of two plausible arguments, distinguish correct logic or reasoning from the		
which is flawed, and—if there is a flaw in an argument—explain what it is. Elementary students can construct arguments using concrete referents such a		
objects, drawings, diagrams, and actions. Such arguments can make sense and be correct, even though they are not generalized or made formal until late		
grades. Later, students learn to determine domains to which an argument applies. Students at all grades can listen or read the arguments of others, decid		
whether they make sense, and ask useful questions to clarify or improve the	arguments.	
Indicate the chapter(s), section(s), and/or page(s) reviewed:	Portions of the domain, cluster, and standard that are missing	
	or not well developed in the instructional materials (if any):	
Summary / Justification / Evidence:		
, , , , , , , , , , , , , , , , , , , ,	Overall Rating : $\Box 1 \Box 2 \Box 3 \Box 4$	

4. Model with mathematics.		
Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace. In early		
grades, this might be as simple as writing an addition equation to describe a situation. In middle grades, a student might apply proportional reasoning to		
plan a school event or analyze a problem in the community. By high school, a	student might use geometry to solve a design problem or use a function to	
describe how one quantity of interest depends on another. Mathematically pro-	oficient students who can apply what they know are comfortable making	
assumptions and approximations to simplify a complicated situation, realizing	g that these may need revision later. They are able to identify important	
quantities in a practical situation and map their relationships using such tools as diagrams, two-way tables, graphs, flowcharts and formulas. They can		
analyze those relationships mathematically to draw conclusions. They routinely interpret their mathematical results in the context of the situation and		
reflect on whether the results make sense, possibly improving the model if it	has not served its purpose.	
Indicate the chapter(s), section(s), and/or page(s) reviewed:	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):	
Summary / Justification / Evidence:	Overall Rating:	

5. Use appropriate tools strategically.			
Mathematically proficient students consider the available tools when solving amathematical problem. These tools might include pencil and paper,			
concretemodels, a ruler, a protractor, a calculator, a spreadsheet, a computer	concretemodels, a ruler, a protractor, a calculator, a spreadsheet, a computer algebra system, a statistical package, or dynamic geometry software.		
Proficient students are sufficiently familiar with tools appropriate for their grade or course to make sounddecisions about when each of these tools migl			
be helpful, recognizing both theinsight to be gained and their limitations. For example, mathematically proficienthigh school students analyze graphs of			
functions and solutions generated using agraphing calculator. They detect possible errors by strategically using estimationand other mathematical			
knowledge. When making mathematical models, they knowthat technology can enable them to visualize the results of varying assumptions, explore			
consequences, and compare predictions with data. Mathematicallyproficient students at various grade levels are able to identify relevant			
externalmathematical resources, such as digital content located on a website, and use themto pose or solve problems. They are able to use technological			
tools to explore anddeepen their understanding of concepts.			
Indicate the chapter(s), section(s), and/or page(s) reviewed: Portions of the domain, cluster, and standard that are miss		9	
	or not well developed in the instructiona	il materials (if any):	
Summary / Justification / Evidence:			
	Overall Rating:	2	

6. Attend to precision.		
Mathematically proficient students try to communicate precisely to others. They try to use clear definitions in discussion with others and in their own		
reasoning. They state the meaning of the symbols they choose, including using the equal sign consistently and appropriately. They are careful about		
specifying units of measure, and labeling axes to clarify the correspondence	with quantities in a problem. They calculate accurately and efficiently,	
express numerical answers with a degree of precision appropriate for the problem context. In the elementary grades, students give carefully formulated		
explanations to each other. By the time they reach high school they have learned to examine claims and make explicit use of definitions.		
Indicate the chapter(s), section(s), and/or page(s) reviewed: Portions of the domain, cluster, and standard that are missing		
or not well developed in the instructional materials (if a		
Summary / Justification / Evidence:		
building / Justineution / Evidence:	Overall Rating: $\Box 1 \Box 2 \Box 3 \Box 4$	

7. Look for and make use of structure.			
Mathematically proficient students look closely to discern a pattern or structure. Young students, for example, might notice that three and seven more is			
the sameamount as seven and three more, or they may sort a collection of sh	the same amount as seven and three more, or they may sort a collection of shapes according to how many sides the shapes have. Later, students will see		
$^{\circ}$ — 8 equals the well-remembered 7 $^{\circ}$ — 5 + 7 $^{\circ}$ — 3, in preparation for learning about the distributive property. In the expression $x^2 + 9x + 14$, older			
students can see the 14 as 2 °— 7 and the 9 as 2 + 7. They recognize the significance of an existing line in a geometric figure and can use the strategy of			
drawing an auxiliary line for solving problems. They also can step back for an overview and shift perspective. They can seecomplicated things, such as			
some algebraic expressions, as single objects or asbeing composed of several objects. For example, they can see $5 - 3(x - y)2$ as 5minus a positive number			
times a square and use that to realize that its value cannotbe more than 5 for	any real numbers x and y.		
Indicate the chapter(s), section(s), and/or page(s) reviewed:	Portions of the domain,	cluster, and standard that are missing	
		the instructional materials (if any):	
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Summary / Justification / Evidence:			
Summary / Justification / Evidence.	Overall Rating:	$\Box_1 \Box_2 \Box_3 \boxtimes_4$	
	Over all Nathing.		

8. Look for and express regularity in repeated reasoning.		
Mathematically proficient students notice if calculations are repeated, and lookboth for general methods and for shortcuts. Upper elementary students		
mightnotice when dividing 25 by 11 that they are repeating the same calcula		
paying attention to the calculation of slope as they repeatedly check whether		
might abstract the equation $(y-2)/(x-1)=3$. Noticing the regularity in the v		
$1)(x^3 + x^2 + x + 1)$ might lead them to the general formula for the sum of a geometric series. As they work to solve a problem, mathematically proficient		
students maintain oversight of the process, whileattending to the details. The		
Indicate the chapter(s), section(s), and/or page(s) reviewed:	Portions of the domain, cluster, and standard that are missing	
	or not well developed in the instructional materials (if any):	
Summary / Justification / Evidence:		
	Overall Rating : $\Box 1 \Box 2 \Box 3 \boxtimes 4$	
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Reviewed By:		
Title of Instructional Materials:	Pearson	

1. Make sense of problems and persevere in solving them.

Mathematically proficient students start by explaining to themselves the meaning of a problem and looking for entry points to its solution. They analyze givens, constraints, relationships, and goals. They make conjectures about the form and meaning of the solution and plan a solution pathway rather than simply jumping into a solution attempt. They consider analogous problems, and try special cases and simpler forms of the original problem in order to gain insight into its solution. They monitor and evaluate their progress and change course if necessary. Older students might, depending on the context of the problem, transform algebraic expressions or change the viewing window on their graphing calculator to get the information they need. Mathematically proficient students can explain correspondences between equations, verbal descriptions, tables, and graphs or draw diagrams of important features and relationships, graph data, and search for regularity or trends. Younger students might rely on using concrete objects or pictures to help conceptualize and solve a problem. Mathematically proficient students check their answers to problems using a different method, and they continually ask themselves, "Does this make sense?" They can understand the approaches of others to solving complex problems and identify correspondences between different approaches.

Overall Rating

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
Title of Instructional Materials	

2. Reason abstractly and quantitatively.

Mathematically proficient students make sense of quantities and their relationships in problem situations. They bring two complementary abilities to bear on problems involving quantitative relationships: the ability to decontextualize—to abstract a given situation and represent it symbolically and manipulate the representing symbols as if they have a life of their own, without necessarily attending to their referents—and the ability to contextualize, to pause as needed during the manipulation process in order to probe into the referents for the symbols involved. Quantitative reasoning entails habits of creating a coherent representation of the problem at hand; considering the units involved; attending to the meaning of quantities, not just how to compute them; and knowing and flexibly using different properties of operations and objects.

PB9: Looking at polynomial Gendions attimes Euritions that have several common pts.

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

Overall Rating

Reviewed By:	
Title of Instructional Materials:	Reaction

3. Construct viable arguments and critique the reasoning of others.

Mathematically proficient students understand and use stated assumptions, definitions, and previously established results in constructing arguments. They make conjectures and build a logical progression of statements to explore the truth of their conjectures. They are able to analyze situations by breaking them into cases, and can recognize and use counterexamples. They justify their conclusions, communicate them to others, and respond to the arguments of others. They reason inductively about data, making plausible arguments that take into account the context from which the data arose. Mathematically proficient students are also able to compare the effectiveness of two plausible arguments, distinguish correct logic or reasoning from that which is flawed, and—if there is a flaw in an argument—explain what it is. Elementary students can construct arguments using concrete referents such as objects, drawings, diagrams, and actions. Such arguments can make sense and be correct, even though they are not generalized or made formal until later grades. Later, students learn to determine domains to which an argument applies. Students at all grades can listen or read the arguments of others, decide whether they make sense, and ask useful questions to clarify or improve the arguments.

Overall Rating

p 213: Sec 3.4: (p315 # 4 - Whollo warg bare) folker in rike plane ble argument.

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:		
Title of Instructional Materials:	Pearson	

4. Model with mathematics.

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Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

Overall Rating



Reviewed By:		
Title of Instructional Materials:	Prason	

5. Use appropriate tools strategically.

Mathematically proficient students consider the available tools when solving a mathematical problem. These tools might include pencil and paper, concrete models, a ruler, a protractor, a calculator, a spreadsheet, a computer algebra system, a statistical package, or dynamic geometry software. Proficient students are sufficiently familiar with tools appropriate for their grade or course to make sound decisions about when each of these tools might be helpful, recognizing both the insight to be gained and their limitations. For example, mathematically proficient high school students analyze graphs of functions and solutions generated using a graphing calculator. They detect possible errors by strategically using estimation and other mathematical knowledge. When making mathematical models, they know that technology can enable them to visualize the results of varying assumptions, explore consequences, and compare predictions with data. Mathematically proficient students at various grade levels are able to identify relevant external mathematical resources, such as digital content located on a website, and use them to pose or solve problems. They are able to use technological tools to explore and deepen their understanding of concepts.

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Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
Tirle of Instructional Materials:	

6. Attend to precision.

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Overall Rating

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:		
Title of Instructional Materials:	P001500	

7. Look for and make use of structure.

Mathematically proficient students look closely to discern a pattern or structure. Young students, for example, might notice that three and seven more is the same amount as seven and three more, or they may sort a collection of shapes according to how many sides the shapes have. Later, students will see 7×8 equals the well remembered $7 \times 5 + 7 \times 3$, in preparation for learning about the distributive property. In the expression $x^2 + 9x + 14$, older students can see the 14 as 2×7 and the 9 as 2 + 7. They recognize the significance of an existing line in a geometric figure and can use the strategy of drawing an auxiliary line for solving problems. They also can step back for an overview and shift perspective. They can see complicated things, such as some algebraic expressions, as single objects or as being composed of several objects. For example, they can see $5 - 3(x - y)^2$ as 5 minus a positive number times a square and use that to realize that its value cannot be more than 5 for any real numbers x and y.

Overall Rating

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
Title of Instructional Materials:	

8. Look for and express regularity in repeated reasoning.

Mathematically proficient students notice if calculations are repeated, and look both for general methods and for shortcuts. Upper elementary students might notice when dividing 25 by 11 that they are repeating the same calculations over and over again, and conclude they have a repeating decimal. By paying attention to the calculation of slope as they repeatedly check whether points are on the line through (1,2) with slope 3, middle school students might abstract the equation (y-2)/(x-1)=3. Noticing the regularity in the way terms cancel when expanding (x-1)(x+1), $(x-1)(x^2+x+1)$, and $(x-1)(x^3+x^2+x+1)$ might lead them to the general formula for the sum of a geometric series. As they work to solve a problem, mathematically proficient students maintain oversight of the process, while attending to the details. They continually evaluate the reasonableness of their intermediate results.

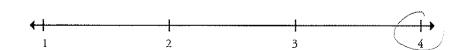
Overall Rating

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Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	

Title of Instructional Materials: Pearson

ALGEBRA II — NUMBER AND QUANTITY (N)

Perform arithmetic operations with complex numbers.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
N-CN.1 Know there is a complex number i such that $i^2 = -1$, and every complex number has the form $a + bi$ with a and b real.	Important Mathematical Ideas 1 2 3 4 Developed on 3 sections uses investigation
Sec 3.2-3.4 3.4- definition stated	Skills and Procedures 1 2 3 Many withing gust 100
	Mathematical Relationships 1 2 3 4 No real world problems but the second seco
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any): Overall Rating 1

Reviewed By:	

Title of Instructional Materials:	
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ALGEBRA II — NUMBER AND QUANTITY (N)

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The Complex Number System (N-CN)	KW-16L world
Perform arithmetic operations with complex numbers.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
N-CN.2 Use the relation $i^2 = -1$ and the commutative, associative, and distributive properties to add, subtract, and multiply complex numbers.	Important Mathematical Ideas 1 2 3 4
Note: Pas highest power of i.	No RW problems,
Sec 3.4 - 3.6 opperations w/	Skills and Procedures 1 2 3 4
Sec 3.4 - 3.6 opperations w/	5's ashed to expan tappy what two know !
	Mathematical Relationships 1 2 3 4
	Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating
	1 2 3 4

Title of Instructional Materials: Peacson

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ALGEBRA II — NUMBER AND QUANTITY (N)

Use complex numbers in polynomial identities and equations.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.				
N-CN.7 Solve quadratic equations with real coefficients that have complex solutions. Note: Polynomials with real coefficients. Sec $3.3-3.4$ $p201 \pm 312$ $p201 \pm 312$ $p201 \pm 312$ $p201 \pm 312$	Important Mathematical Ideas 1 2 3 4 developed 9 206 EX Skills and Procedures 1 2 3 4 Not may practice populars Mathematical Relationships				
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Evidence				
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):				
	Overall Rating 1 2 3 4				

Reviewed By:	

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ALGEBRA II — NUMBER AND QUANTITY (N)

The Complex Number System (N-CN)

Use complex numbers in polynomial identities and equations.	Summary and documental met. Cite examples from the		ne domain, clus	ster, and stan	dard are
N-CN.8		(2)	_	_	_
(+) Extend polynomial identities to the complex numbers. For example, rewrite $x^2 + 4$ as $(x + 2i)(x - 2i)$.	Important Mathematical Ideas		2	3	4
Note: Polynomials with real coefficients.					
Sec 3.4 Ex 14 only one ex. 5's asked to show lind	Skills and Procedures		2	3	
only one ex		•	~	J	;
s's asked to show that	Mathematical Relationships		2		→
x2+1=(x+i)(x-i)					
	Summary / Justification / I	Evidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cl developed in the instruction			missing or n	ot well
	Overall Rating	(1)	1 2		

The Charles A. Dana Center

Title of Instructional Materials:

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ALGEBRA II — NUMBER AND QUANTITY (N)

Use complex numbers in polynomial identities and equations.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
N-CN.9 (+) Know the Fundamental Theorem of Algebra; show that it is true for quadratic polynomials.	Important Mathematical Ideas 1 2 3 4
Note: Polynomials with real coefficients.	
Scc 3, 4 - talked about	Skills and Procedures 5'5 must apply what hey know 2 3 4
3,10 - p 267 - in sterical grapped 10	Mathematical Relationships 1
	Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Title of Instructional Materials:

Summary and documentation of how the dome	
met. Cite examples from the	·
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s's acked to explain about a polynomia	
Skills and Procedures 1 2 3	
Mathematical Relationships 1 2	
Summary / Justification / Evidence	
Portions of the domain, cluster, and standard that are miss developed in the instructional materials (if any):	ing or not we
Overall Rating	
	Skills and Procedures 1

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Title of Instructional Materials: Veacsor

Pearsor

ALGEBRA II — ALGEBRA (A)

Seeing Structure in Expressions (A-SSE)

Summary and documentation of how the domain, cluster, and standard are Interpret the structure of expressions. met. Cite examples from the materials. A-SSE.1b Important Mathematical Ideas Interpret expressions that represent a quantity in terms of its context.* b. Interpret complicated expressions by viewing one or more of their parts as a single entity. For example, interpret P(1+r)^a as the product of P and a factor not depending on P. Skills and Procedures Note: Polynomial and rational. 2.6 Frading polynomial functions J.D.J.H : Friench higher a ser proposed) Mathematical Relationships RW problems? 7.0: 1610: Surpl Zax-3 = 3, 3, 3, 3, 2 Summary / Justification / Evidence Indicate the chapter(s), section(s), and/or page(s) reviewed. Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any): Overall Rating

Title of Instructional Materials: Pearson

ALGEBRA II — ALGEBRA (A)

Seeing Structure in Expressions (A-SSE)

Interpret the structure of expressions.

A-SSE.2

Use the structure of an expression to identify ways to rewrite it. For example, see $x^4 - y^4$ as $(x^2)^2 - (y^2)^2$, thus recognizing it as a difference of squares that can be factored as $(x^2 - y^2)(x^2 + y^2)$.

Note: Polynomial and rational.

2.12-2.14: Samong 3.3-3.5: Imaginary numbers
5.1-5.3: exponents proporties 5.5 : especial superior

Indicate the chapter(s), section(s), and/or page(s) reviewed.

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

Important Mathematical Ideas

Skills and Procedures

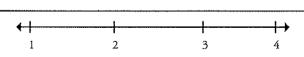


Summary / Justification / Evidence

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):

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Overall Rating



Reviewed By:	
Title of Instructional Materials:	Peacson

ALGEBRA II — ALGEBRA (A)

Seeing Structure in Expressions (A-SSE)

Write expressions in equivalent forms to solve problems.	equivalent forms to solve problems. Summary and documentation of how the domain, cluster, and met. Cite examples from the materials.		and standard a	
A-SSE.4	Important Mathematical Ideas	4.1	•	1 /
Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems. For example,		1	2	3
calculate mortgage payments.*	Applied to reporting	Scans	many w	nd proble
1.11 Factor of Notation	Skills and Procedures		1	- - (
7,11-7.13		1	2	3
	Mathematical Relationships	1	2	1 3
	Summary / Justification / Evi	dence		
Indicate the chapter(s), section(s), and/or page(s) reviewed.				
	Portions of the domain, clust developed in the instructional			sing or not wel
	Overall Rating +		2	1 1

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Reviewed By:	

Title of Instructional Materials:	

ALGEBRA II — ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Perform arithmetic operations on polynomials.	Summary and documentation met. Cite examples from the			ster, and stan	ıdard are
A-APR.1				,	
Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.	Important Mathematical Ideas	1	2	3	4
Note: Beyond quadratic.	Skills and Procedures	4.1	f	,	
	Civile and Freeday of	1	2	3	4
					;
på overt	Mathematical Relationships	+			
		1	2	3	4
	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cluded developed in the instruction			missing or n	ot well
	Not cavece				
	Overall Rating				
	J	∢-} 1	2	- 3	

The Charles A. Dana Center

Title of Instructional Materials:

Peason

ALGEBRA II --- ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Summary and documentation of how the domain, cluster, and standard are Understand the relationship between zeros and factors of polynomials. met. Cite examples from the materials. A-APR.2 Important Mathematical Ideas Know and apply the Remainder Theorem: For a polynomial p(x) and a number a, the remainder on division by x - a is p(a), so p(a) = 0 if and only if (x - a) is a factor of p(x). Skills and Procedures 2.9-2.10 p151: Remarkan Thra Mathematical Relationships Summary / Justification / Evidence Indicate the chapter(s), section(s), and/or page(s) reviewed. Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any): Overall Rating

Title of Instructional Materials:

ALGEBRA II — ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Understand the relationship between zeros and factors of polynomials.

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

A-APR.3

Identify zeros of polynomials when suitable factorizations are available, and use the zeros to construct a rough graph of the function defined by the polynomial.

2.10 : Finding the factors of polyromas

2.12 : factoring guideres

2.13 Comme process

Indicate the chapter(s), section(s), and/or page(s) reviewed.

Important Mathematical Ideas



Skills and Procedures



Mathematical Relationships

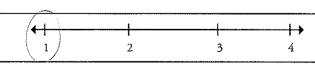


Summary / Justification / Evidence

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):

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Overall Rating



Title of Instructional Materials:

ALGEBRA II — ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Use polynomial identities to solve problems.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
A-APR.4 Prove polynomial identities and use them to describe numerical relationships.	Important Mathematical Ideas
For example, the polynomial identity $(x^2 + y^2)^2 = (x^2 - y^2)^2 + (2xy)^2$ can be used to generate Pythagorean triples.	Establish the Golfoung identify
2,10 P159: #6,7,8,9,10,11	Skills and Procedures 1 2 3 4
3. ···	Mathematical Relationships 1 2 3
	Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 1 2 3

Reviewed By:	
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Title of Instructional Materials:	
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ALGEBRA II - ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Use polynomial identities to solve problems.

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

(+) Know and apply the Binomial Theorem for the expansion of $(x + y)^n$ in powers of x and y for a positive integer n, where x and y are any numbers, with coefficients determined for example by Pascal's Triangle.

The Binomial Theorem can be proved by mathematical induction or by a combinatorial argument.

Indicate the chapter(s), section(s), and/or page(s) reviewed.

Skills and Procedures

1 2 3 4

Pod Mary plades subject to a difference problems:

Mathematical Relationships

Summary / Justification / Evidence

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):

Overall Rating

1 2 3 4

Title of Instructional Materials:	

ALGEBRA II - ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Rewrite rational expressions.

A-APR.6

Rewrite simple rational expressions in different forms; write a(x)/b(x) in the form q(x) + r(x)/b(x), where a(x), b(x), q(x), and r(x) are polynomials with the degree of r(x) less than the degree of b(x), using inspection, long division, or, for the more complicated examples, a computer algebra system.

Note: Linear and quadratic denominators.

2.9 Not worther specifully that have

1009 division

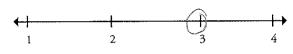
Indicate the chapter(s), section(s), and/or page(s) reviewed.

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

Important Mathematical Ideas



Skills and Procedures



P154 # 14



Summary / Justification / Evidence

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):

Overall Rating

1 2 3 4

Title of Instructional Materials: Rear Same

ALGEBRA II --- ALGEBRA (A)

Arithmetic with Polynomials and Rational Expressions (A-APR)

Summary and documentation of how the domain, cluster, and standard are Rewrite rational expressions. met. Cite examples from the materials. A-APR.7 Important Mathematical Ideas (+) Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero-rational expression; add, subtract, multiply, and divide rational expressions. Skills and Procedures Note: Linear and quadratic denominators. 2.15: 58 and and the sold of the sold Mathematical Relationships acolection: Summary / Justification / Evidence Indicate the chapter(s), section(s), and/or page(s) reviewed. Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any): nolliply advide, closed concept? Overall Rating 3 4

Title of Instructional Materials: Pearson

Pearson

ALGEBRA II — ALGEBRA (A)

Creating Equations (A-CED)

Create equations that describe numbers or relationships.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.					
A-CED.1 Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and	Important Mathematical Ideas	(3	4	
simple rational and exponential functions.* Note: Equations using all available types of expressions, including simple root functions. Sec 1.6-1.9: Lines of test Fit	Skills and Procedures		2	3		
Sec 5.7-5.9: exponented	Mathematical Relationships	1		3		
	Summary / Justification / E	vidence				
Indicate the chapter(s), section(s), and/or page(s) reviewed.						
	Portions of the domain, cludeveloped in the instruction for functions guadratic	nal materi		missing or r	not well	
	Overall Rating	 		3	4	

Reviewed By:	
Title of Instructional Materials:	

ALGEBRA II — ALGEBRA (A)

Creating Equations (A-CED)

Create equations that describe numbers or relationships.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.				
A-CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.* Note: Equations using all available types of expressions, including simple root functions.	Important Mathematical Ideas	1		3	4
4.4) systems of Eq but I 45) think all the equations 4.7 are grounded for the	Skills and Procedures	 	. (1)	3	4
	Mathematical Relationships	1	3	3	4
	Summary / Justification / Ev	vidence		,	
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cludeveloped in the instruction			missing or no	ot well
	Overall Believ				
	Overall Rating	1	1	3	4

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Reviewed By:	
Title of Instructional Materials:	(Peo (Sav)

ALGEBRA II — ALGEBRA (A)

Creating Equations (A-CED)

Create equations that describe numbers or relationships.	Summary and documentation met. Cite examples from the		e domain, clus	ter, and stand	ard are
A-CED.3	Important Mathematical Ideas	4.1	ſ	ı	
Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context. For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.*		1	2	3	4
Note: Equations using all available types of expressions, including simple root functions.	Skills and Procedures	+			
Not Listed		1	2	3	4
	Mathematical Relationships	4 T	1	ŧ	
		l	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ev	vidence			
	Portions of the domain, cluded developed in the instruction	nal materials	(if any)	-	t well
	Overall Rating	1	2	3	4

Reviewed By:	
Title of Instructional Materials:	

ALGEBRA II — ALGEBRA (A)

Creating Equations (A-CED)

Create equations that describe numbers or relationships.	Summary and documentati met. Cite examples from the			ster, and star	ndard are
A-CED.4					
Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. For example, rearrange Ohm's law $V = IR$ to highlight resistance $R.*$	Important Mathematical Ideas	1	2	3	4
Note: Equations using all available types of expressions, including simple root functions.	Skills and Procedures	(->
Not Listed		I	2	3	4
	Mathematical Relationships	1	2	3	; ————————————————————————————————————
	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
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	This standor	2 6	NOT COL	reced	
	Overall Rating				
		ĺ	2	3	4

Reviewed By:

Title of Instructional Materials: Pearson

ALGEBRA II — ALGEBRA (A)

Reasoning with Equations and Inequalities (A-REI)

Understand solving equations as a process of reasoning and explain the reasoning.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
A-REI.2	Important Mothematical Ideas (1)
Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.	Important Mathematical Ideas 2 3 4
Note: Simple radical and rational. 2, 12 (1) 2 \times $-\frac{3}{4}$ = 5 (1000 1) 1 000 1	Skills and Procedures 2 3 4
2.14 EXO: radical 08 (Sproblem)	Mathematical Relationships 1 2 3 4
	Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any): Doc Not talk about extractors solutions
	Overall Rating 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Reviewed By:	
Title of Instructional Materials:	

ALGEBRA II — ALGEBRA (A)

Reasoning with Equations and Inequalities (A-REI)

Represent and solve equations and inequalities graphically.	Summary and documentat met. Cite examples from the			ster, and stan	idard are
A-REI.11 Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph	Important Mathematical Ideas	← 1		3	→ 4
the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.* Note: Combine polynomial, rational, radical, absolute value, and exponential functions.	Skills and Procedures	1	D	3	4
26-27: 80/5 med 212: 8x 5 - gardratic	Mathematical Relationships	(<u> </u> 3	; ————————————————————————————————————
5.11: 109	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
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	Overall Rating	← [1			4

Reviewed By:	

itle of Instructional Materials: Pear 50	nstructional Materials:	Pear 50	3
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Interpret functions that arise in applications in terms of the context.	Summary and documentati met. Cite examples from th		e domain, clı	uster, and stand	ard are
F-IF.4 For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch	Important Mathematical Ideas	1	2	<u></u>	
graphs showing key features given a verbal description of the relationship. Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity.* Note: Include rational, square root and cube root; emphasize selection of appropriate models.	Skills and Procedures	1	2		
5.7: Exp Functions NV Graphs 5.14: Log Functions 6.1-624 - guard + cabic Punctions, 58 root, rational	Mathematical Relationships	1	2		4
8-6-88: SINC + cosine graphs - period	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cludeveloped in the instruction	nal materials	(if any):	e missing or no	ot well
P504: 5's how worked with all man found we	Overall Rating		1 2		

Reviewed By:	
Title of Instructional Materials:	

Interpreting Functions (F-IF)

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Interpret functions that arise in applications in terms of the context.	Summary and documentation met. Cite examples from the		domain, clust	er, and standa	ard are
F-IF.5	Important Mathematical Ideas	4 1	ı	\bigcirc	1.6
Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes. For example, if the function h(n) gives the number of person-hours it takes to assemble n engines in a factory, then the positive integers would be an appropriate domain for the function.*		l	2	3	4
Note: Emphasize selection of appropriate models.	Skills and Procedures	1	2		4
2, 3				1	
	Mathematical Relationships	1	2		4
	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, clud developed in the instruction			nissing or not	well
	Overall Rating	1	2	3	4

Title of Instructional Materials:

ALGEBRA II — FUNCTIONS (F)

Interpreting Functions (F-IF)

Interpret functions that arise in applications in terms of the context.	Summary and documentation of how the domain, cluster, and standard a met. Cite examples from the materials.	are
F-IF.6 Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.*	Important Mathematical Ideas 1 2 3	 → 4
Note: Emphasize selection of appropriate models. 1.3 Constant decembers for slope (tables) 1.4 p 24 #3 - 3 platead ats	Skills and Procedures 1 2 3	4
1.4 p24 #3 - 3 platered ats	Mathematical Relationships 1 2	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Evidence	
	Portions of the domain, cluster, and standard that are missing or not we developed in the instructional materials (if any):	
	Overall Rating 1 1 2 3 4	-

38

Reviewed By:	

Title	of Inetra	ictional	Materials:	
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Analyze functions using different representations.	Summary and documentati met. Cite examples from the		e domain, clu	ster, and stan	dard are
F-IF.7b7. Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.*	Important Mathematical Ideas	<u>(</u>	2	3	4
B. Graph square root, cube root, and piecewise-defined functions, including step functions and absolute value functions.	Skills and Procedures	4			
Note: Focus on using key features to guide selection of appropriate type of model function. $2.2 + 0.07.0 + 0.00000000000000000000000000$		1	2	3	4
	Mathematical Relationships		2	3)
2,4	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
p 501: 5's graph quad, rubic Sq root a also value	Portions of the domain, cludeveloped in the instruction Not sure when these Gunn	nal materials	(if any):	_	
	Overall Rating	<u> </u>		3	

Reviewed By:

Title of Instructional Materials: Pearson

ALGEBRA II — FUNCTIONS (F)

Interpreting Functions (F-IF)

Analyze functions using different representations.	Summary and documentation met. Cite examples from the			ster, and stan	dard are
F-IF.7c7. Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.*	Important Mathematical Ideas	1	<u> </u>	3	4
 Graph polynomial functions, identifying zeros when suitable factorizations are available, and showing end behavior. Note: Focus on using key features to guide selection of appropriate type of model function. 	Skills and Procedures	(1		3	4
Note: Focus on using key features to guide selection of appropriate type of model function. 2.5: 7:30:14-18 2.5: 7:30:14-18 2.7: 7:40:40-40-40-40-40-40-40-40-40-40-40-40-40-4	Mathematical Relationships	1		3	
6.2-6.4: quadratic, cubic abs value, sy root	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cludeveloped in the instruction	nal materi		e missing or n	ot well
	Overall Rating			3	4

Reviewed By:	

Title of Instructional Materials:

Interpreting Functions (F-IF)

Analyze functions using different representations.

F-IF.7e

- Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.*
 - e. Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude.

Note: Focus on using key features to guide selection of appropriate type of model function.

5.7: exp Garages by hand a/a & C + & P + 33)
5.14: log - use a & C + o 3 copt

9.7 - Sinc + Cosinc

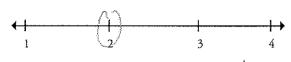
Indicate the chapter(s), section(s), and/or page(s) reviewed.

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

Important Mathematical Ideas



Skills and Procedures



Mathematical Relationships



Summary / Justification / Evidence

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):

vertical shift of sinc & cosine



Reviewed By:	

Title of Instructional Materials:

ALGEBRA II — FUNCTIONS (F)

Interpreting Functions (F-IF)

Analyze functions using different representations.	Summary and documentation met. Cite examples from the			ster, and star	ndard are
F-IF.8a8. Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function.	Important Mathematical Ideas	 		3	
a. Use the process of factoring and completing the square in a quadratic function to show zeros, extreme values, and symmetry of the graph, and interpret these in terms of a context. Note: Focus on using key features to guide selection of appropriate type of model function.	Skills and Procedures	 		3	
6.7: factoring & completing the 8	Mathematical Relationships	(1		3	4
	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
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	Overall Rating	1	(1)	3	

Reviewed By:	
Title of Instructional Materials:	

Interpreting Functions (F-IF)

Analyze functions using different representations.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
F-iF.8b8. Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function.	Important Mathematical Ideas 1 2 4
 b. Use the properties of exponents to interpret expressions for exponential functions. For example, identify percent rate of change in functions such as y = (1.02)^t, y = (0.97)^t, y = (1.01)^{12t}, y = (1.2)^{yro}, and classify them as representing exponential growth or decay. Note: Focus on using key features to guide selection of appropriate type of model function. 	Skills and Procedures 1 2 3 4
5.8-5.10 growth decay	Mathematical Relationships 1 2 3 4 money - Interest Rate Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Junimary / Justineation / Evidence
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 1 2 3 4

Reviewed By:	
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Title of Instructional Materials:	

Interpreting Functions (F-IF)

Analyze functions using different representations.	Summary and documentation met. Cite examples from the			ster, and stan	dard are
F-IF.9	Important Mathematical Ideas			1	
Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). For example, given a graph of one quadratic function and an algebraic expression for another, say which has the larger maximum.		1	2	3	4
Note: Focus on using key features to guide selection of appropriate type of model function.	Skills and Procedures	+	 2	3	
		,	2	,	!
	Mathematical Relationships	(
		1	2	3	4
	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cluded developed in the instruction			missing or n	ot well
	This studend	. ≱wt r	overed		
	Overall Rating	 	2	3	4
	Overall Rating	1	2	3	4

Reviewed By:	
Title of Instructional Materials:	Peacson

Building Functions (F-BF)

Build a function that models a relationship between two quantities.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
 F-BF.1b Write a function that describes a relationship between two quantities.* b. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and 	Important Mathematical Ideas 1 2 3
relate these functions to the model. Note: Include all types of functions studied	Skills and Procedures Red wald problems 2 3 4
2.6: Lagrang Method Is used 2.7	Mathematical Relationships 1 2 3
	Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 2 3

Reviewed By:	
Title of Instructional Materials:	

Building Functions (F-BF)

nportant Mathematical Ideas kills and Procedures lathematical Relationships	1	2	3	
	1	2	3	
athematical Relationships	4			
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ummary / Justification / Ev	vidence			
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or	rtions of the domain, clus reloped in the instruction	veloped in the instructional materials	mmary / Justification / Evidence rtions of the domain, cluster, and standard that are reloped in the instructional materials (if any):	mmary / Justification / Evidence rtions of the domain, cluster, and standard that are missing or veloped in the instructional materials (if any):

Reviewed By:

Title of Instructional Materials: VOCSOA

ALGEBRA II — FUNCTIONS (F)

Building Functions (F-BF)

Build new functions from existing functions.

F-BF.4a

- 4. Find inverse functions.
 - a. Solve an equation of the form f(x) = c for a simple function f that has an inverse and write an expression for the inverse. For example, $f(x) = 2 x^3$ or f(x) = (x+1)/(x-1) for $x \ne 1$.

Note: Include simple radical, rational, and exponential functions; emphasize common effect of each transformation across function types.

p122 \$6 rational =14 horas

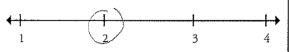
Indicate the chapter(s), section(s), and/or page(s) reviewed.

plali find the inverse of each basic Fundan

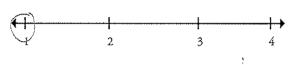
p 119: cabic fordance

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

Important Mathematical Ideas



Skills and Procedures

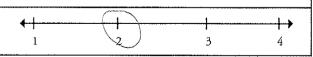


Mathematical Relationships



Summary / Justification / Evidence

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
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Title of Instructional Materials:	

Linear, Quadratic, and Exponential Models (F-LE)

Construct and compare linear, quadratic, and exponential models and solve problems.	Summary and documentation met. Cite examples from the			ister, and stand	dard are
F-LE.4	Important Mathematical Ideas				1.5
For exponential models, express as a logarithm the solution to $ab^{ct} = d$ where a , c , and d are numbers and the base b is 2, 10, or e ; evaluate the logarithm using technology.*	Important Mathematical Ideas	1	2	3	4
Note: Logarithms as solutions for exponentials.	0.31				
5, 12: evaluation logs using exponents	Skills and Procedures	1	2	y	4
5.13: 50 Way Simple log problems	Mathematical Relationships	1	2		4
ໂກປicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ev	vidence			
	Portions of the domain, clu developed in the instruction	nal materia		e missing or n	ot well
	Overall Rating	41			_
		1	2	3/	4

Reviewed By:	
Title of Instructional Materials:	Peacson

Trigonometric Functions (F-TF)

Extend the domain of trigonometric functions using the unit circle.	Summary and documentation met. Cite examples from the			ster, and stan	dard are
F-TF.1 Understand radian measure of an angle as the length of the arc on the unit circle subtended by the angle.	Important Mathematical Ideas	1	2	3	4
	Skills and Procedures	1	2	3	
	Mathematical Relationships	1	2	3	 →
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ev	vidence			
	Portions of the domain, clusted developed in the instruction	nal materia	ls (if any):	_	ot well
	Overall Rating	1	2	3	4

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Title of Instructional Materials:		Peuson

Trigonometric Functions (F-TF)

Extend the domain of trigonometric functions using the unit circle.	Summary and documentation met. Cite examples from the			ster, and stan	dard are
F-TF.2	Important Mathematical Ideas		,	,	1.5
Explain how the unit circle in the coordinate plane enables the extension of trigonometric functions to all real numbers, interpreted as radian measures of angles traversed counterclockwise around the unit circle.	Important Mathematical Ideas	1	2	3	4
	Skills and Procedures	 			++
		1	2	3	4
	Mathematical Relationships		ı	•	;
	Watternadod (Volutionism)	1	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ev	vidence			
	Portions of the domain, clu developed in the instruction			missing or n	ot well
	This stando	i. The	rs Not 1	overed	
	Overall Rating	. 1	į.		1 .
		1	2	3	4

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Title of Instructional Materials:

ALGEBRA II — FUNCTIONS (F)

Trigonometric Functions (F-TF)

Model periodic phenomena with trigonometric functions.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.				
F-TF.5	Important Mathematical Ideas				
Choose trigonometric functions to model periodic phenomena with specified amplitude, frequency, and midline.*	important Mathematical Ideas	1	2		4
	Skills and Procedures				
		l	2	3	4
	Mathematical Relationships	1		3	4
	Summary / Justification / Ev	vidence	:		
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Portions of the domain, clus developed in the instruction	nal mate	erials (if any):	_	not well
	This Standa		15 Wot	covered	
	Overall Rating	←	2	3	1 4

Reviewed By:

Title of Instructional Materials:

Polson

ALGEBRA II — FUNCTIONS (F)

Trigonometric Functions (F-TF)

Prove and apply trigonometric identities.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
F-TF.8 Prove the Pythagorean identity $\sin 2(\theta) + \cos 2(\theta) = 1$ and use it to find $\sin(\theta)$, $\cos(\theta)$, or $\tan(\theta)$ given $\sin(\theta)$, $\cos(\theta)$, or $\tan(\theta)$ and the quadrant of the angle.	Important Mathematical Ideas 1 3 4
9.4 prove pothag identity	Skills and Procedures 1 1 3 4
find sing + 1050	Mathematical Relationships 1 2 3 4
	Summary / Justification / Evidence
Indicate the chapter(s), section(s), and/or page(s) reviewed.	
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 3 4

Reviewed By:	
Title of Instructional Materials:	

Interpreting Categorical and Quantitative Data (S-ID)

Summarize, represent, and interpret data on a single count or measurement variable.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.				
S-ID.4				• • • • • • • • • • • • • • • • • • • •	
Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.	Important Mathematical Ideas	1	2	3	4
	Skills and Procedures	4		11	
		1	2	3	4
					!
	Mathematical Relationships	1	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ev	ridence			
	Portions of the domain, clus developed in the instruction			missing or n	ot well
	This standar	33	not cover	ed -	
	Overall Rating		<u> </u>		
	•	1	2	3	4

Reviewed By:		
Title of Instructional Materials:	Pracson	

Making Inferences and Justifying Conclusions (S-IC)

Understand and evaluate random processes underlying statistical experiments.	Summary and documentation of how the domain, cluster, and standard a met. Cite examples from the materials.				
S-IC.1	Important Mathematical Ideas	4.1	Ť	í	I N
Understand statistics as a process for making inferences about population parameters based on a random sample from that population.	important iviatifematical ideas	1	2	3	4
	Skills and Procedures	 			
		1	2	3	;
	Mathematical Relationships	← I	2	3	4
Indicate the charter(a) contion(a) and/or nago(a) reviewed	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Portions of the domain, cludeveloped in the instruction	nal materia	ls (if any):		ot well
	Overall Rating		2		+ 4

Reviewed By:	
Title of Instructional Materials:	

Making Inferences and Justifying Conclusions (S-IC)

Understand and evaluate random processes underlying statistical experiments.	Summary and documentation of how the domain, cluster, and standard ar met. Cite examples from the materials.				
S-IC.2					
Decide if a specified model is consistent with results from a given data-	Important Mathematical Ideas	+			
generating process, e.g., using simulation. For example, a model says a spinning coin falls heads up with probability 0.5. Would a result of 5 tails in a row cause you to question the model?.		I	2	3	4
	Skills and Procedures	4			
		1	2	3	4
		-	-	J	;
	Mathematical Relationships	4 !	ŧ	ı	Lx
		1	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ev	ridence			
	Portions of the domain, clus developed in the instruction	al material	s (if any):	- -	not well
	Overall Rating	1	2 .	 	4

Reviewed By:	
Tide of Leater discust Materials.	December
Title of Instructional Materials:	Pracson

Making Inferences and Justifying Conclusions (S-IC)

Make inferences and justify conclusions from sample surveys, experiments, and observational studies.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.				
S-IC.3					
Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.	Important Mathematical Ideas	1	2	3	4
	Skills and Procedures	+			
		1	2	3	4
	Mathematical Relationships	1	2	3	
-	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cluded developed in the instruction	nal material	s (if any):	_	
	This stands		har car	i supple	part
	Overall Rating	1	2	3	 →

Reviewed By:	
Title of Instructional Materials:	Pearson

Making Inferences and Justifying Conclusions (S-IC)

Make inferences and justify conclusions from sample surveys, experiments, and observational studies.	Summary and documentation met. Cite examples from the		ne domain, clus	iter, and stan	dard are
S-IC.4	Important Mathematical Ideas	. [1	ŧ	1 \
Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.	important Mathematica: ideas	1	2	3	4
	Skills and Procedures		———		
		1	2	3	4
					;
	Mathematical Relationships	(
		1	2	3	4
	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cluded developed in the instruction	nal material:	s (if any):		ot well
	Not covere	d bu	4 may	he in	
	Overall Rating				
		1	2	3	4

Reviewed By:	
Title of Instructional Materials:	Pearson

Making Inferences and Justifying Conclusions (S-IC)

Make inferences and justify conclusions from sample surveys, experiments, and observational studies.	Summary and documentati met. Cite examples from th			ster, and star	ndard are
S-IC.5			_		
Use data from a randomized experiment to compare two treatments; use simulations to decide if differences between parameters are significant.	Important Mathematical Ideas	1	2	3	4
	Skills and Procedures	1	2	3	→ 4
	Mathematical Relationships	1	2	3	;
	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, clu developed in the instructio	nal materia	ls (if any):	missing or	not well
	Not cover	ed plene-i	<i>t</i> ?		
	Overall Rating		2	1 3	1+4

Reviewed By:	
Title of Instructional Materials:	

Making Inferences and Justifying Conclusions (S-IC)

Make inferences and justify conclusions from sample surveys, experiments, and observational studies.	Summary and documentation met. Cite examples from the			ster, and stan	dard are
S-IC.6		_			
Evaluate reports based on data.	Important Mathematical Ideas	1	2	3	4
	Skills and Procedures				
		1	2	3	4
	Mathematical Relationships	1	2	3	4
	Summary / Justification / Ev	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, clus developed in the instruction	ster, and sta	andard that are s (if any):	missing or n	ot well
	Not covered				
	Overall Rating		2		

Reviewed By:	
Title of Instructional Materials:	Pearson

Using Probability to Make Decisions (S-MD)

Use probability to evaluate outcomes of decisions.	Summary and documentation met. Cite examples from the			ster, and stan	dard are
S-MD.6	Important Mathematical Ideas	4.1	1	•	1
(+) Use probabilities to make fair decisions (e.g., drawing by lots, using a random number generator).	Important iviatientatical sceas	1	2	3	4
Note: Include more complex situations.					
	Skills and Procedures			1	
		1	2	3	4
					•
	Mathematical Relationships	4			
	•	1	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / E	vidence			
	Portions of the domain, clu developed in the instruction	nal materia	tandard that are	missing or n	not well
	Not covere	: c(
•					
	Overall Rating	(
		1	2	3	4

Reviewed By:	
Title of Instructional Materials:	

Using Probability to Make Decisions (S-MD)

Use probability to evaluate outcomes of decisions	Summary and documentation met. Cite examples from the			ster, and sta	ndard are
S-MD.7					
(+) Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game).	Important Mathematical Ideas	1	2	3	4
Note: Include more complex situations.					
	Skills and Procedures	+			
		1	2	3	4
					}
	Mathematical Relationships	 			→
		1	2	3	4
	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
	Portions of the domain, cludeveloped in the instruction			missing or r	ıot well
	Not cou	recod			
•					
	Overall Rating	(+
		1	2	3	4

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Title of Instructional Materials: CME Project: Ay II

Documenting Alignment to the Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.

Mathematically proficient students start by explaining to themselves the meaning of a problem and looking for entry points to its solution. They analyze givens, constraints, relationships, and goals. They make conjectures about the form and meaning of the solution and plan a solution pathway rather than simply jumping into a solution attempt. They consider analogous problems, and try special cases and simpler forms of the original problem in order to gain insight into its solution. They monitor and evaluate their progress and change course if necessary. Older students might, depending on the context of the problem, transform algebraic expressions or change the viewing window on their graphing calculator to get the information they need. Mathematically proficient students can explain correspondences between equations, verbal descriptions, tables, and graphs or draw diagrams of important features and relationships, graph data, and search for regularity or trends. Younger students might rely on using concrete objects or pictures to help conceptualize and solve a problem. Mathematically proficient students check their answers to problems using a different method, and they continually ask themselves, "Does this make sense?" They can understand the approaches of others to solving complex problems and identify correspondences between different approaches.

Indicate the chapter(s), section(s), or page(s) reviewed.

Summary/Justification/Evidence

The strelent dialogues, recurry Thomes, and projects allow strelents to see and aret on this Throughout

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
Title of Instructional Materials:	

2. Reason abstractly and quantitatively.

Mathematically proficient students make sense of quantities and their relationships in problem situations. They bring two complementary abilities to bear on problems involving quantitative relationships: the ability to decontextualize—to abstract a given situation and represent it symbolically and manipulate the representing symbols as if they have a life of their own, without necessarily attending to their referents—and the ability to contextualize, to pause as needed during the manipulation process in order to probe into the referents for the symbols involved. Quantitative reasoning entails habits of creating a coherent representation of the problem at hand; considering the units involved; attending to the meaning of quantities, not just how to compute them; and knowing and flexibly using different properties of operations and objects.

Indicate the chapter(s), section(s), or page(s) reviewed.

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



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Title of Instructional Materials:	

3. Construct viable arguments and critique the reasoning of others.

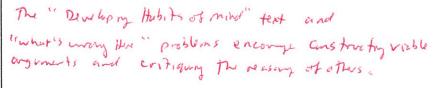
Mathematically proficient students understand and use stated assumptions, definitions, and previously established results in constructing arguments. They make conjectures and build a logical progression of statements to explore the truth of their conjectures. They are able to analyze situations by breaking them into cases, and can recognize and use counterexamples. They justify their conclusions, communicate them to others, and respond to the arguments of others. They reason inductively about data, making plausible arguments that take into account the context from which the data arose. Mathematically proficient students are also able to compare the effectiveness of two plausible arguments, distinguish correct logic or reasoning from that which is flawed, and—if there is a flaw in an argument—explain what it is. Elementary students can construct arguments using concrete referents such as objects, drawings, diagrams, and actions. Such arguments can make sense and be correct, even though they are not generalized or made formal until later grades. Later, students learn to determine domains to which an argument applies. Students at all grades can listen or read the arguments of others, decide whether they make sense, and ask useful questions to clarify or improve the arguments.

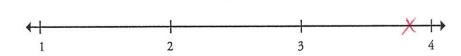
Overall Rating

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence





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Title of Instructional Materials:	

4. Model with mathematics.

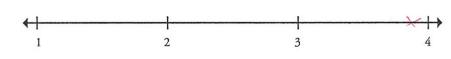
Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace. In early grades, this might be as simple as writing an addition equation to describe a situation. In middle grades, a student might apply proportional reasoning to plan a school event or analyze a problem in the community. By high school, a student might use geometry to solve a design problem or use a function to describe how one quantity of interest depends on another. Mathematically proficient students who can apply what they know are comfortable making assumptions and approximations to simplify a complicated situation, realizing that these may need revision later. They are able to identify important quantities in a practical situation and map their relationships using such tools as diagrams, two-way tables, graphs, flowcharts and formulas. They can analyze those relationships mathematically to draw conclusions. They routinely interpret their mathematical results in the context of the situation and reflect on whether the results make sense, possibly improving the model if it has not served its purpose.

Indicate the chapter(s), section(s), or page(s) reviewed.

Summary/Justification/Evidence

A wice away of mathematical models are used and structured structured in terpret; build, and more between them, structure use mathematics to build approximate models and find lives of best fit very unique approaches

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



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Title of Instructional Materials:	

5. Use appropriate tools strategically.

Mathematically proficient students consider the available tools when solving a mathematical problem. These tools might include pencil and paper, concrete models, a ruler, a protractor, a calculator, a spreadsheet, a computer algebra system, a statistical package, or dynamic geometry software. Proficient students are sufficiently familiar with tools appropriate for their grade or course to make sound decisions about when each of these tools might be helpful, recognizing both the insight to be gained and their limitations. For example, mathematically proficient high school students analyze graphs of functions and solutions generated using a graphing calculator. They detect possible errors by strategically using estimation and other mathematical knowledge. When making mathematical models, they know that technology can enable them to visualize the results of varying assumptions, explore consequences, and compare predictions with data. Mathematically proficient students at various grade levels are able to identify relevant external mathematical resources, such as digital content located on a website, and use them to pose or solve problems. They are able to use technological tools to explore and deepen their understanding of concepts.

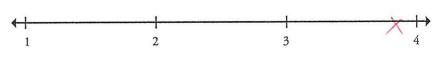
Indicate the chapter(s), section(s), or page(s) reviewed.

Sect. 1-2, 1.7, (111, 1.12, 2.2, 2.3, 7.6, 2-7, 2.4, 2.12)
3.6. 34-3.11, 4.3, 47, 48, 5.11-5.14.6.1, 8.7, Aprilia

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

Extensive we of the TI-Inspire is encouraged and a hundbook is included in the appendix. Experimentation and modelly of technology is vied throughout.



Reviewed By:	
Title of Instructional Materials:	

6. Attend to precision.

Mathematically proficient students try to communicate precisely to others. They try to use clear definitions in discussion with others and in their own reasoning. They state the meaning of the symbols they choose, including using the equal sign consistently and appropriately. They are careful about specifying units of measure, and labeling axes to clarify the correspondence with quantities in a problem. They calculate accurately and efficiently, express numerical answers with a degree of precision appropriate for the problem context. In the elementary grades, students give carefully formulated explanations to each other. By the time they reach high school they have learned to examine claims and make explicit use of definitions.

Indicate the chapter(s), section(s), or page(s) reviewed.

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
Title of Instructional Materials:	

7. Look for and make use of structure.

Mathematically proficient students look closely to discern a pattern or structure. Young students, for example, might notice that three and seven more is the same amount as seven and three more, or they may sort a collection of shapes according to how many sides the shapes have. Later, students will see 7×8 equals the well remembered $7 \times 5 + 7 \times 3$, in preparation for learning about the distributive property. In the expression $x^2 + 9x + 14$, older students can see the 14 as 2×7 and the 9 as 2 + 7. They recognize the significance of an existing line in a geometric figure and can use the strategy of drawing an auxiliary line for solving problems. They also can step back for an overview and shift perspective. They can see complicated things, such as some algebraic expressions, as single objects or as being composed of several objects. For example, they can see $5 - 3(x - y)^2$ as 5 minus a positive number times a square and use that to realize that its value cannot be more than 5 for any real numbers x and y.

Indicate the chapter(s), section(s), or page(s) reviewed.

Summary/Justification/Evidence

Looking for pathens and structure seems to be the Thematic in this fext. This idea is used to deally key ideas and descritions in many instances

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	
Title of Instructional Materials:	

8. Look for and express regularity in repeated reasoning.

Mathematically proficient students notice if calculations are repeated, and look both for general methods and for shortcuts. Upper elementary students might notice when dividing 25 by 11 that they are repeating the same calculations over and over again, and conclude they have a repeating decimal. By paying attention to the calculation of slope as they repeatedly check whether points are on the line through (1, 2) with slope 3, middle school students might abstract the equation (y-2)/(x-1) = 3. Noticing the regularity in the way terms cancel when expanding (x-1)(x+1), $(x-1)(x^2+x+1)$, and $(x-1)(x^3+x^2+x+1)$ might lead them to the general formula for the sum of a geometric series. As they work to solve a problem, mathematically proficient students maintain oversight of the process, while attending to the details. They continually evaluate the reasonableness of their intermediate results.

Indicate the chapter(s), section(s), or page(s) reviewed.

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):



Reviewed By:	

Title of Instructional Materials:	
Title of Instructional Materials:	

ALGEBRA II — NUMBER AND QUANTITY (N)

Perform arithmetic operations with complex numbers.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
N-CN.1 Know there is a complex number i such that $i^2 = -1$, and every complex number has the form $a + bi$ with a and b real.	Important Mathematical Ideas 1 2 3 4
	Skills and Procedures 1 2 3 4
	Mathematical Relationships 1 2 3 4
Indicate the chapter(s), section(s), and/or page(s) reviewed. Sections 3.2-3.4	Summary / Justification / Evidence The important mathematical ideas are not related in the context of real-world examples
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 2 3 4

Reviewed By:	
Title of Instructional Materials:	

ALGEBRA II — NUMBER AND QUANTITY (N)

Perform arithmetic operations with complex numbers.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
N-CN.2	Important Mathematical Ideas
Use the relation $i^2 = -1$ and the commutative, associative, and distributive properties to add, subtract, and multiply complex numbers. Note: i^2 as highest power of i .	1 2 3 4
Note. 7 as highest power of f.	Skills and Procedures 1 2 3 4
	Mathematical Relationships 1 2 3 4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Evidence Not related to connectors onts, de mathematic - no real-world
Sect 3.4-3.6	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 2 3 4

Reviewed By:	
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Title of	Instructional	Materiale	
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ALGEBRA II - NUMBER AND QUANTITY (N)

Use complex numbers in polynomial identities and equations.	Summary and documentation met. Cite examples from the		omain, cluster,	and standar	d are
N-CN.7 Solve quadratic equations with real coefficients that have complex solutions. Note: Polynomials with real coefficients.	Important Mathematical Ideas	1	** 2	3	4
	Skills and Procedures	1	2	3	4
	Mathematical Relationships	1	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed. Sect. 3.3, 3.4, 3.12	Summary / Justification / Ex	vidence	vse of a	applicat	Vas
	Portions of the domain, clus developed in the instruction			sing or not v	vell
	Overall Rating	1	1 × 2	3	 → 4

Reviewed By:	
Title of Instructional Materials:	

ALGEBRA II — NUMBER AND QUANTITY (N)

Use complex numbers in polynomial identities and equations.	he domain, clus	ster, and standa	ard are		
N-CN.8	Important Mathematical Ideas	4	1	1 3	
(+) Extend polynomial identities to the complex numbers. For example, rewrite $x^2 + 4$ as $(x + 2i)(x - 2i)$.	important matternation rucus	1	2	3	4
Note: Polynomials with real coefficients.					
	Skills and Procedures	(->
		1	2	3	4
	Mathematical Relationships				 -)
		1	2	3	4
	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
Sect 3.41	Portions of the domain, clu developed in the instruction	ster, and st nal materia	andard that are Is (if any):	missing or no	t well
	Overall Rating		2	- 	 →

Reviewed By:	
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Title of Instructional Materials:	
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ALGEBRA II — NUMBER AND QUANTITY (N)

Use complex numbers in polynomial identities and equations.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.			
N-CN.9 (+) Know the Fundamental Theorem of Algebra; show that it is true for quadratic polynomials. Note: Polynomials with real coefficients.	Important Mathematical Ideas 1 2 3	4		
Note: 1 dignormals with real cocinicions.	Skills and Procedures 1 2 3	4		
	Mathematical Relationships 1 2 3	4		
	Summary / Justification / Evidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Portions of the domain, cluster, and standard that are missing or not a developed in the instructional materials (if any): FTA is not developed at all. It is any allowed to in a historical referred	well		
	Overall Rating 1 2 3	4		

Reviewed By:	

Title of Instructional Materials:

ALGEBRA II - FUNCTIONS (F)

Build a function that models a relationship between two quantities.	Summary and documentation met. Cite examples from the	on of how the materials.	ie domain, clu	ster, and sta	ndard are
F-BF.1b 1. Write a function that describes a relationship between two quantities.*	Important Mathematical Ideas	(3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
 b. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Note: Include all types of functions studied. 	Skills and Procedures	1	2	▼ 3	× 1 4
	Mathematical Relationships	1	2	X 3	4
	Summary / Justification / E	vidence			
Indicate the chapter(s), section(s), and/or page(s) reviewed.					
Sect 7-6, 2.7	Portions of the domain, clu developed in the instructio	ster, and stand materials	andard that are s (if any):	e missing or	not well
	Overall Rating		1 2	3	→ 4

Reviewed By:	

Title of Instructional Materials:	

Building Functions (F-BF)

Build new functions from existing functions.	Summary and documentation of how the domain, cluster, and stand met. Cite examples from the materials.				
F-BF.3 Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, k $f(x)$, $f(kx)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of	Important Mathematical Ideas	1	2	3	 → 4
k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. <i>Include recognizing even and odd functions from their graphs and algebraic expressions for them.</i>	Skills and Procedures	(\	
lote: Include simple radical, rational, and exponential functions; emphasize common effect of ach transformation across function types.		1	2	3	4
	Mathematical Relationships	1	2	3	4
	Summary / Justification / E	vidence		÷	
Indicate the chapter(s), section(s), and/or page(s) reviewed.	1				
Sect- 6.1, 6, 3, 6, 4	Portions of the domain, clu developed in the instruction			missing or no	t well
	Overall Rating	← 1	2	3	-

Reviewed By:	
Title of Instructional Materials:	

Building Functions (F-BF)

Build new functions from existing functions.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.				
 F-BF.4a 4. Find inverse functions. a. Solve an equation of the form f(x) = c for a simple function f that has an inverse and write an expression for the inverse. For example, f(x) = 2 x³ or f(x) = (x+1)/(x-1) for x ≠ 1. Note: Include simple radical, rational, and exponential functions; emphasize common effect of each transformation across function types. 	Important Mathematical Ideas Skills and Procedures	1	2	3	→ 4
	Mathematical Relationships	1	2	3	4
Indicate the chapter(s), section(s), and/or page(s) reviewed.	Summary / Justification / Ex well presented and	vidence I den lapso	thru iv	nues Agata	
Sect 2.4	Portions of the domain, cluded developed in the instruction			missing or not v	vell
	Overall Rating	1	1 2	3	4

Reviewed By:

Title of Instructional Materials:

ALGEBRA II - FUNCTIONS (F)

Linear, Quadratic, and Exponential Models (F-LE)

Construct and compare linear, quadratic, and exponential models and solve problems.

Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.

F-LE.4

For exponential models, express as a logarithm the solution to $ab^{a} = d$ where a, c, and d are numbers and the base b is 2, 10, or e; evaluate the logarithm using technology.*

Note: Logarithms as solutions for exponentials.

Important Mathematical Ideas

Skills and Procedures



Mathematical Relationships



Indicate the chapter(s), section(s), and/or page(s) reviewed.

Sect. 5.12, 5,13

Summary / Justification / Evidence
Text provided a thorough investigation using habits
of mind and integrating the use of technology

Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):

Overall Rating

1 2 3 4